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INJECTION

MOLDING

HANDBOOK

THE COMPLETE MOLDING OPERATION
TECHNOLOGY, PERFORMANCE, ECONOMICS

SECOND EDITION

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Preface
Chapter

16 Competitive Processes

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Table 16-3 Examples of competitive processes vs. different products

	Injection Molding	Extrusion	Blow Molding	Thermofforming	Reaction Injection Molding	Rotational Molding	Compression and Transfer Molding	Matched Mold, Spray-up
Bottles, necked containers, etc.	b, c	—	a	b, c	—	b	—	b
Cups, trays, open containers, etc.	a	—	—	a	a	—	a	b
Tanks, drums, large hollow shapes, etc.	—	—	a	b, c	—	a	—	b
Caps, covers, closures, etc.	a	—	—	b	b	—	—	—
Hoods, housings, auto parts, etc.	a	—	b	b	b	—	a	—
Complex shapes, thickness changes, etc.	a	—	—	—	—	—	a	a
Linear shapes, pipe, profiles, etc.	b, d	a	—	—	—	—	a	b
Sheets, panels, laminates, etc.	—	a, e	—	—	—	—	b, d	—
							b	b

^a Prime process.^b Secondary process.^c Combine two or more parts with ultrasonics, adhesives, etc.^d Short sections can be molded.^e Also calendaring process.